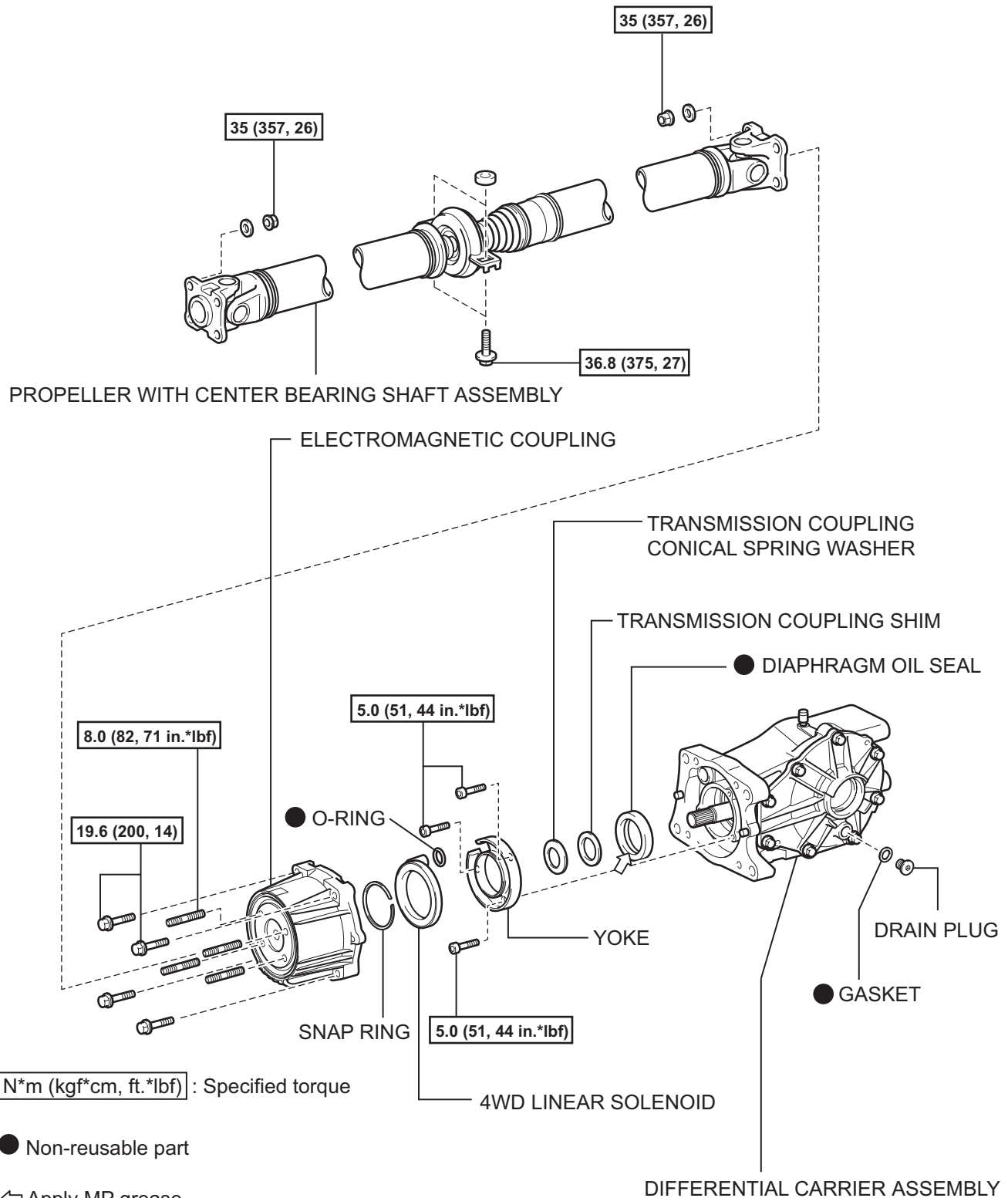
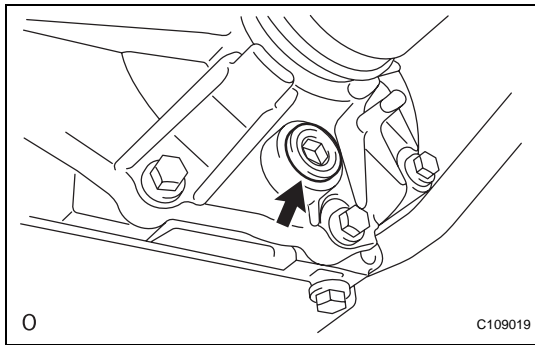


## DIAPHRAGM OIL SEAL

## COMPONENTS

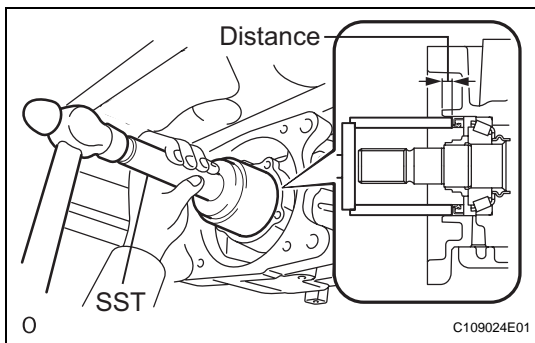
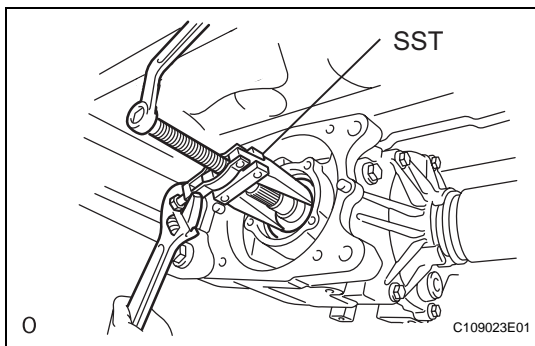




## REMOVAL

1. **DRAIN DIFFERENTIAL OIL**
  - (a) Using a 10 mm socket hexagon wrench, remove the rear differential drain plug and gasket, and drain the oil.
  - (b) Install a new gasket to the rear differential drain plug.
  - (c) Using a 10 mm socket hexagon wrench, install the rear differential drain plug and gasket.
2. **REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-3)**
3. **REMOVE ELECTROMAGNETIC COUPLING (See page DF-21)**
4. **REMOVE 4WD LINEAR SOLENOID (See page DF-22)**
5. **REMOVE YOKE (See page DF-22)**
6. **REMOVE TRANSMISSION COUPLING CONICAL SPRING WASHER (See page DF-22)**
7. **REMOVE TRANSMISSION COUPLING SHIM (See page DF-22)**
8. **REMOVE DIAPHRAGM OIL SEAL**
  - (a) Using SST, remove the oil seal from the rear differential carrier.

**SST 09308-10010**



## INSTALLATION

1. **INSTALL DIAPHRAGM OIL SEAL**
  - (a) Apply a light coat of MP grease No. 2 to the lip of a new diaphragm oil seal.
  - (b) Using SST and a hammer, tap the diaphragm oil seal into the rear differential carrier according to the specification.

**SST 09710-30021 (09710-03121), 09950-60010 (09951-00570), 09950-70010 (09951-07100)**

**Standard distance:**  
**7.0 +0.5 mm (0.28 +-0.02 in.)**
2. **INSTALL TRANSMISSION COUPLING SHIM (See page DF-41)**
3. **INSTALL TRANSMISSION COUPLING CONICAL SPRING WASHER (See page DF-41)**
4. **INSTALL YOKE (See page DF-41)**
5. **INSTALL 4WD LINEAR SOLENOID (See page DF-41)**

6. **INSTALL ELECTROMAGNETIC COUPLING** (See page [DF-42](#))
7. **TEMPORARILY INSTALL PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY** (See page [PR-5](#))
8. **FULLY TIGHTEN PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY** (See page [PR-6](#))
9. **INSPECT AND ADJUST JOINT ANGLE** (See page [PR-4](#))
10. **ADD DIFFERENTIAL OIL**
  - (a) Add differential oil (see page [DF-3](#)).
11. **CHECK FOR DIFFERENTIAL OIL LEAKAGE**

If gas is leaking, tighten the areas necessary to stop the leak. Replace damaged parts as necessary.